

# [High-Pressure Explosive Retention Device]

## Abstract

An apparatus and method for reliably activating explosives includes providing one or more housing sections that define a sealed space. A first explosive element is provided in the sealed space, and a second explosive element has a first portion inside the sealed space, and a second portion outside the sealed space exposed to outside pressure. A gripping mechanism grips a surface of the second explosive element to maintain a position of the second explosive element that is exposed to the outside pressure in an axial direction of the second explosive element.